

REPLACED  
BY 34 ANDOT

**WHAT IS CLAIMED IS:**

1           1.     A article attachment system for a vehicle, comprising:  
2                     an elongated rail member adapted to attach to the vehicle;  
3                     the rail member defining at least one partially enclosed space having at  
4 least one slide interface and a plurality of projections  
5                     a bracket operably engaging the elongated rail member and adapted  
6 for mounting at least one article,  
7                     a positioning device operably engaging the bracket and having at least  
8 one extension adapted to move between an engaged position adapted for securing  
9 the article to the elongated rail member and a released position adapted for moving  
10 the article relative to the elongated rail member.

1           2.     The article attachment system of Claim 1, wherein the elongated rail  
2 member is oriented longitudinally within the vehicle.

1           3.     The article attachment system of Claim 1, wherein the elongated rail  
2 member is oriented laterally within the vehicle.

1           4.     The article attachment system of Claim 1, wherein the elongated rail  
2 member is adapted to attach to an external portion of the vehicle.

1           5.     The article attachment system of Claim 1, wherein the elongated rail  
2 member is adapted to attach to an interior portion of the vehicle.

1           6.     The article attachment system of Claim 1, wherein the elongated rail  
2 member extends to a forward position adapted to allow the article to nest with an  
3 instrument panel in the vehicle.

1           7.     The article attachment system of Claim 1, wherein the elongated rail  
2 member is at least one rail segment adapted to be selectively coupled and  
3 uncoupled to another rail segment.

1           8.     The article attachment system of Claim 1, wherein the elongated rail  
2 member and bracket are configured to vertically restrain the article.

1           9.     The article attachment system of Claim 1, wherein the elongated rail  
2 member includes a fixed conductor strip adapted to deliver electrical power to the  
3 article.

1           10.    The article attachment system of Claim 9, wherein the conductor strip  
2 is coupled to the rail member by a carrier having at least one tolerance adjusting  
3 device.

1           11.    The article attachment system of Claim 9, wherein the bracket includes  
2 a contact biased for sliding engagement with the conductor strip.

1           12.    The article attachment system of Claim 1, wherein the bracket further  
2 comprises at least one glide operably engaging the slide interface.

1           13.    The article attachment system of Claim 12, wherein the glide is a low-  
2 friction, high-lubricity material.

1           14.    The article attachment system of Claim 1, wherein the bracket further  
2 comprises runners operable engaging the slide interface.

1           15.    The article attachment system of Claim 1, wherein the slide interface  
2 further comprises a lateral positioning device.

1           16.    The article attachment system of Claim 1, further comprising a trim  
2 piece coupled to the elongated rail member.

1           17.    The article attachment system of Claim 1, wherein the elongated rail  
2 member is adapted to removably receive the article.

1           18.    The article attachment system of Claim 1, wherein the article is one of  
2 a center console, a storage bin, a compartment, a cargo management device, a  
3 holder, an article mounting bracket, a storage rack, a child safety seat, a jump seat,  
4 a storage platform, a table, a recreational item, or a sporting good.

1           19.    The article attachment system of Claim 1, wherein the positioning  
2 device is biased in a self-correcting direction.

1           20.    The article attachment system of Claim 1, wherein the positioning  
2   device includes an actuator capable of remote actuation and operable to move the  
3   extension between the engaged position and the released position.

1           21.    An article attachment system for a vehicle interior, comprising:  
2                    an elongated rail member coupled to a floor portion of the vehicle  
3   interior;  
4                    the elongated rail member defining at least one partially concealed  
5   channel having a slide interface;  
6                    a bracket adapted to couple to an article, the bracket having at least  
7   one non-rotational glide operably engaging the slide interface for longitudinal  
8   movement along the elongated rail member; and  
9                    a positioning device coupled to the bracket for selectively securing the  
10   bracket at one of a plurality of locations along the elongated rail member.

1           22.    The article attachment system of Claim 21, wherein the elongated rail  
2   member includes a plurality of positioning elements.

1           23.    The article attachment system of Claim 21, wherein the positioning  
2   device includes an actuator adapted for remote actuation from the article.

1           24.    The article attachment system of Claim 21, wherein the elongated rail  
2   member includes at least one lateral extension portion.

1           25.    The article attachment system of Claim 21, wherein the elongated rail  
2   member is integrally formed with the floor portion.

1           26.    The article attachment system of Claim 21, wherein the elongated rail  
2   member includes an end piece adapted to limit the position of the article.

1           27.    The article attachment system of Claim 21, wherein the positioning  
2   device includes at least one locking member operably engaging the actuator for  
3   extension and retraction in a lateral direction.

1           28.    The article attachment system of Claim 27, wherein the bracket and the  
2   positioning device coact through a biasing device.

1           29.    The article attachment system of Claim 28, wherein the biasing device  
2    is a spring.

1           30.    The article attachment system of Claim 29, wherein the biasing device  
2    provides a self-correcting interaction between the locking member and the elongated  
3    rail member.

1           31.    The article attachment system of Claim 21, wherein the glide is  
2    configured for coupling to the bracket only in a single orientation.

1           32.    A kit for an article attachment system, comprising:  
2                   a rail member adapted for attachment to a vehicle, the rail defining at  
3    least one partially enclosed space having at least one surface adapted for slideable  
4    engagement;  
5                   a bracket member adapted to couple to an article and adapted to  
6    slideably engage the surface;  
7                   a positioning device adapted to releasably secure the article in any one  
8    of a plurality of locations on the rail member; and  
9                   an actuator adapted to move the positioning device between an  
10   engaged position where movement of the article is prevented and a released  
11   position where movement of the article is permitted.

1           33.    The kit of Claim 32, wherein the rail member includes a plurality of  
2    projections disposed within the partially enclosed space.

1           34.    The kit of Claim 33, wherein the rail member includes a plurality of  
2    projections only on a single side of the rail member.

1           35.    The kit of Claim 32, further comprising a glide member adapted to  
2    interface between the bracket and the surface.

1           36.    The kit of Claim 32, wherein the glide member is non-rotational.

1           37.    The kit of Claim 32, further comprising a conductive strip adapted for  
2    coupling to the rail member.

1           38.    The kit of Claim 32, further comprising an end piece adapted to couple  
2   to an end of the rail member.

1           39.    The kit of Claim 32, further comprising a biasing device adapted to bias  
2   the positioning device in a self-correcting direction.

1           40.    The kit of Claim 32, wherein the article is one of a storage bin, a  
2   compartment, a cargo management device, a holder, an article mounting bracket, a  
3   storage rack, an article carrier, a child safety seat, a jump seat, a storage platform, a  
4   table, a recreational item, or a sporting good.

1           41.    The kit of Claim 32, wherein the rail member is a plurality of rail  
2   member segments adapted to be selectively coupled and uncoupled.

1           42.    A method of providing an article attachment system for use in a vehicle  
2 interior, the method comprising:

3                    providing a rail member adapted for coupling to the vehicle, the rail  
4 member defining a partially enclosed space having a surface;

5                    providing a bracket adapted to receive an article and adapted to  
6 engage the surface;

7                    coupling a positioning device to the bracket, the positioning device  
8 adapted for movement between an engaged position where the positioning device  
9 engages the rail member and a released position where the positioning device is  
10 substantially free of engagement from the rail member; and

11                   coupling the article to the rail member.

1           43.    The method of Claim 42, wherein the surface provides a slideable  
2 interface with the bracket.

1           44.    The method of Claim 42, wherein the surface provides a rotational  
2 interface with the bracket.

1           45.    The method of Claim 42, wherein the surface provides a fixed interface  
2 with the bracket.

1           46.    The method of Claim 42, further comprising the step of providing a  
2 biasing device adapted to urge the positioning device into the engaged position.

1           47.    The method of Claim 42, further comprising the step of providing a trim  
2 portion adapted to couple to the rail member.

1           48.    The method of Claim 42, further comprising the step of providing an  
2 actuator adapted to move the positioning device between the engaged position and  
3 the released position.

1           49.    The method of Claim 42, further comprising the step of providing an  
2 electrification system adapted to couple to the rail member for providing electricity  
3 from a vehicle electricity source to the article.

1           50.    A system for removably attaching one or more articles to a vehicle  
2   portion, comprising:

3                   means for providing an elongated rail member having a partially  
4   concealed space;

5                   means for coupling the elongated rail member to the vehicle portion;

6                   means for mounting an article to the elongated rail member;

7                   means for releasably securing the article in plurality of positions on the  
8   elongated rail member.

1           51.    The system of Claim 50, wherein the vehicle portion is a vehicle interior  
2   portion.

1           52.    The system of Claim 50, wherein the vehicle portion is a vehicle  
2   exterior portion.

1           53.    The system of Claim 52, wherein the vehicle exterior portion is a cargo  
2   storage area.

1           54.    The system of Claim 50, further comprising means for moving the  
2   article relative to the elongated rail member.

1           55.    The system of Claim 50, further comprising means for slideably moving  
2   the article relative to the elongated rail member.

1           56.    The system of Claim 50, further comprising means for providing  
2   electricity from a vehicle electrical source to the article.